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(54) DEMODULATING CIRCUIT OF MAGNETIC  
RECORDING/REPRODUCING APPARATUS

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(57) Abstract:

**PURPOSE:** To prevent the increase in circuit scale of a demodulating circuit and dissipation power even if the degree (n) of partial responses is increased in the demodulating circuit using the partial response and a maximum detecting method.

**CONSTITUTION:** An equalizer 5 of a circuit, which demodulates the reproduced signal read out of a head 2, is prepared in correspondence with the different equalized target waveform. A plurality of sets 8 of detectors 6, which are connected in series in correspondence with the equalized waveform from the equalizer 5, are connected in parallel to the output stages of a filter 4. The demodulating circuit is constituted so that only one of the sets 8 of the equalizers 5 and the detectors 6 is selected and the output of the detector is obtained by a switching control means 7 for selecting any of the outputs of the sets 8 of the equalizers 5 and the detectors 6. As to the equalizers 5, one equalizer 5', which can from two or more kinds of the equalized waveforms having the different characteristics, can be used.

